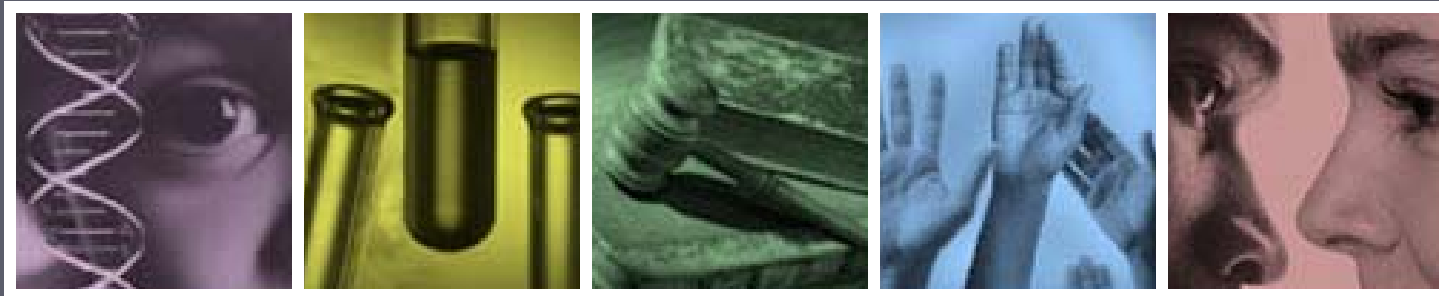


Reproductive Technology Policy

A Global Perspective



Jamie D. Brooks

Project Director on Race, Health and Justice

Center for Genetics and Society

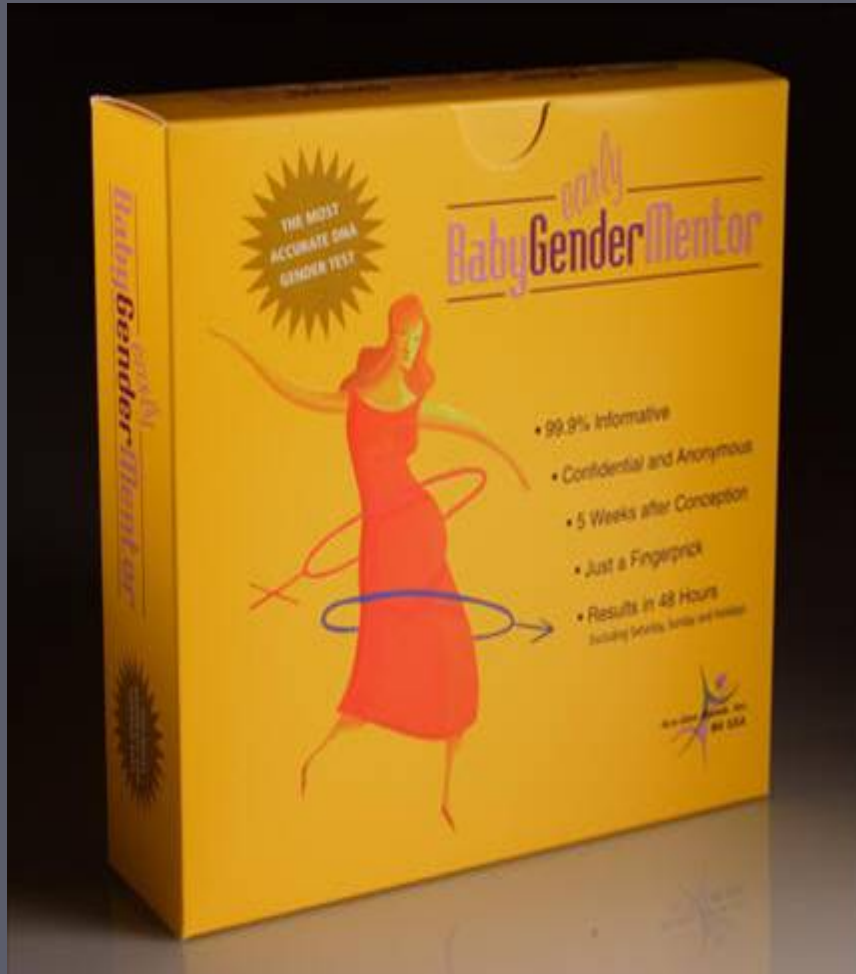
November 5, 2007

Country Policy affects
Assisted Reproductive
Technology



REPRODUCTIVE TOURISM

Sex Selection Technologies and Reproductive Tourism



The MicroSort® Gender-Selection Program at GIVF

Do You Want To Choose the Gender Of Your Next Baby?



If you want to choose — or need to choose — whether your next baby is a girl or a boy, you may qualify for the MicroSort® gender selection procedure at the Genetics & IVF Institute (GIVF).

Prospective parents come from all over the world to GIVF in suburban Washington, DC. They choose this exclusive *scientifically-based* sperm sorting gender selection procedure, currently in an FDA clinical trial, for several important reasons:

- For prevention of genetic diseases
- For family balancing
- Results so far show 90% success rate for achieving girls and 75% for boys.
- FREE MicroSort for qualifying patients who use Donor Egg or Preimplantation Genetic Diagnosis at GIVF.
- For sensitive, personal attention from a caring staff of professionals, dedicated to the success of your family.

Couples also choose the Genetics & IVF Institute because we are the world's largest integrated provider of infertility and genetic services. Our expertise in the diagnosis and treatment of complex genetic and reproductive disorders is second to none.

To learn more about the Genetics & IVF Institute, and how the MicroSort® technology may help you select the gender of your next child — please visit us at:

www.givf.com

or call us at

1-800-277-6607

Now available in New York and other metropolitan areas through collaborating physicians. Call for details.

Caution: This procedure uses an investigational device limited by federal law to investigational use.

GENETICS & IVF INSTITUTE



Female Foeticide



- “Widespread use of illegal tests to determine the sex of an unborn child is fuelling a rise in female foeticide cases in India” according to officials and social activists in India.

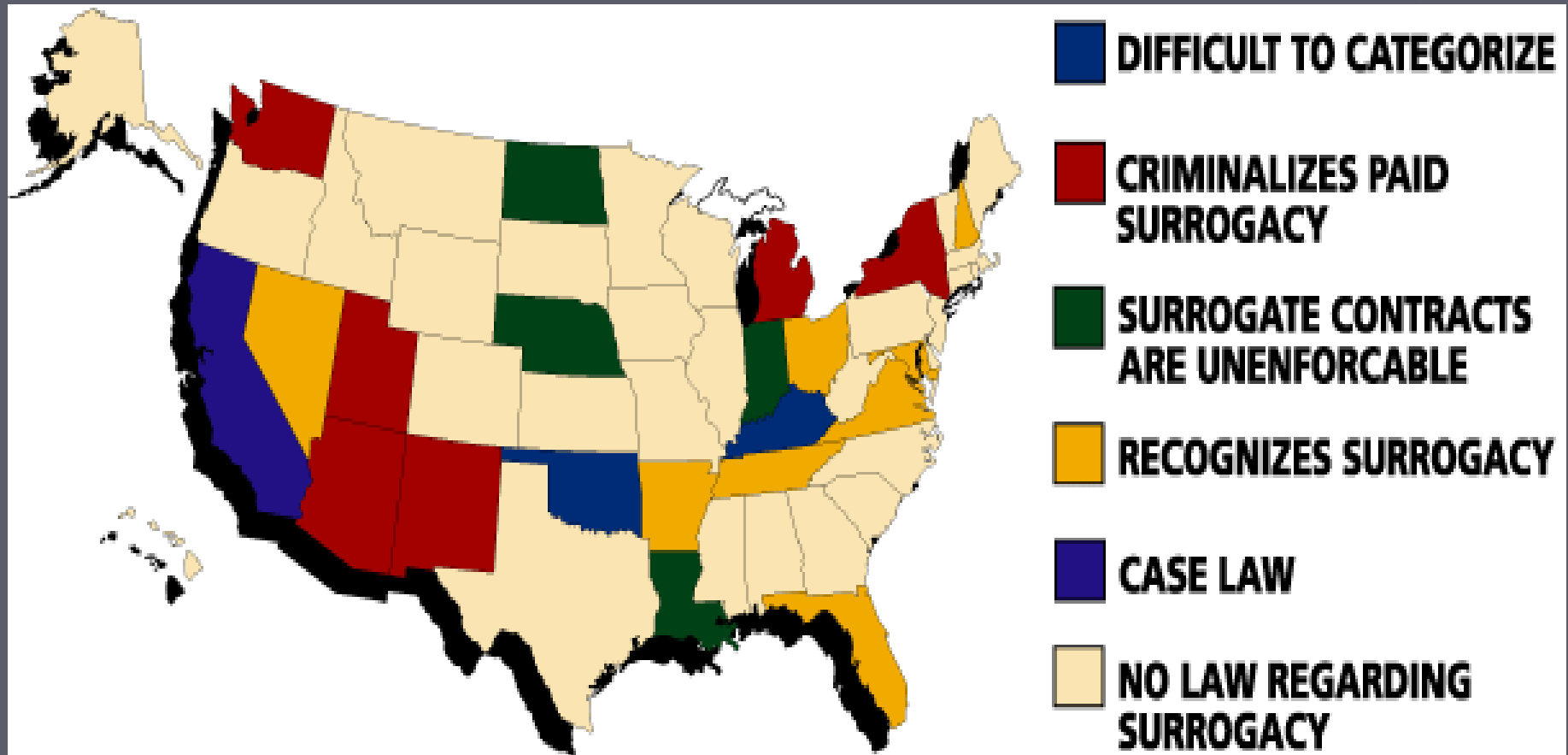


Surrogacy in India



AKANKSHA FERTILITY CLINIC

A look at Surrogacy Regulation in the U.S.



© Copyright 2002, TASC: The American Surrogacy Center, Inc. / www.surrogacy.com

Current state of policy in the U.S.



Assisted reproduction—little or no regulation or oversight

- IVF (including use of drugs for egg retrieval)
- PGD
- Sex selection

Countries Ban ARTs



GERMANY & ITALY

- Embryo-Freezing
- Egg Donation
- Embryo Screening for Inherited Diseases
- Limits # of Embryos that can be implanted

COSTA RICA

- IVF

BRITAIN & CANADA

- Compensation for Donated Eggs

Developing Policy for
Genetic Technologies



Biotechnology Strategies

Biotechnology Strategies: *A worldwide View*



- [Argentinean Forum of Biotechnology](#)
- [Australian National Biotechnology Strategy](#)
- [Belgian Biosafety Advisory Council](#)
- [Canadian Biotechnology Strategy](#)
- [Chile: National Biotechnology Policy](#)
- [National Advisory Board for Biotechnology](#)
- [India: Biotechnology Policy produced by the Department of Industries and Commerce of the Government of Andhra Pradesh.](#)
- [South Korea: Research Institute of Bioscience and Biotechnology - Long Term Vision and Strategic Objectives](#)
- [Namibian National Policy Document:](#)
- [New Zealand: Biotechnology Strategy](#)
- [Norwegian Biotechnology Advisory Board](#)
- [South Africa: Biotechnology Strategy](#)
- [USA: Advisory Committee on Biotechnology and 21st Century Agriculture](#)

A world-wide glance



Policy Models and Options



Models of effective regulation: Canada



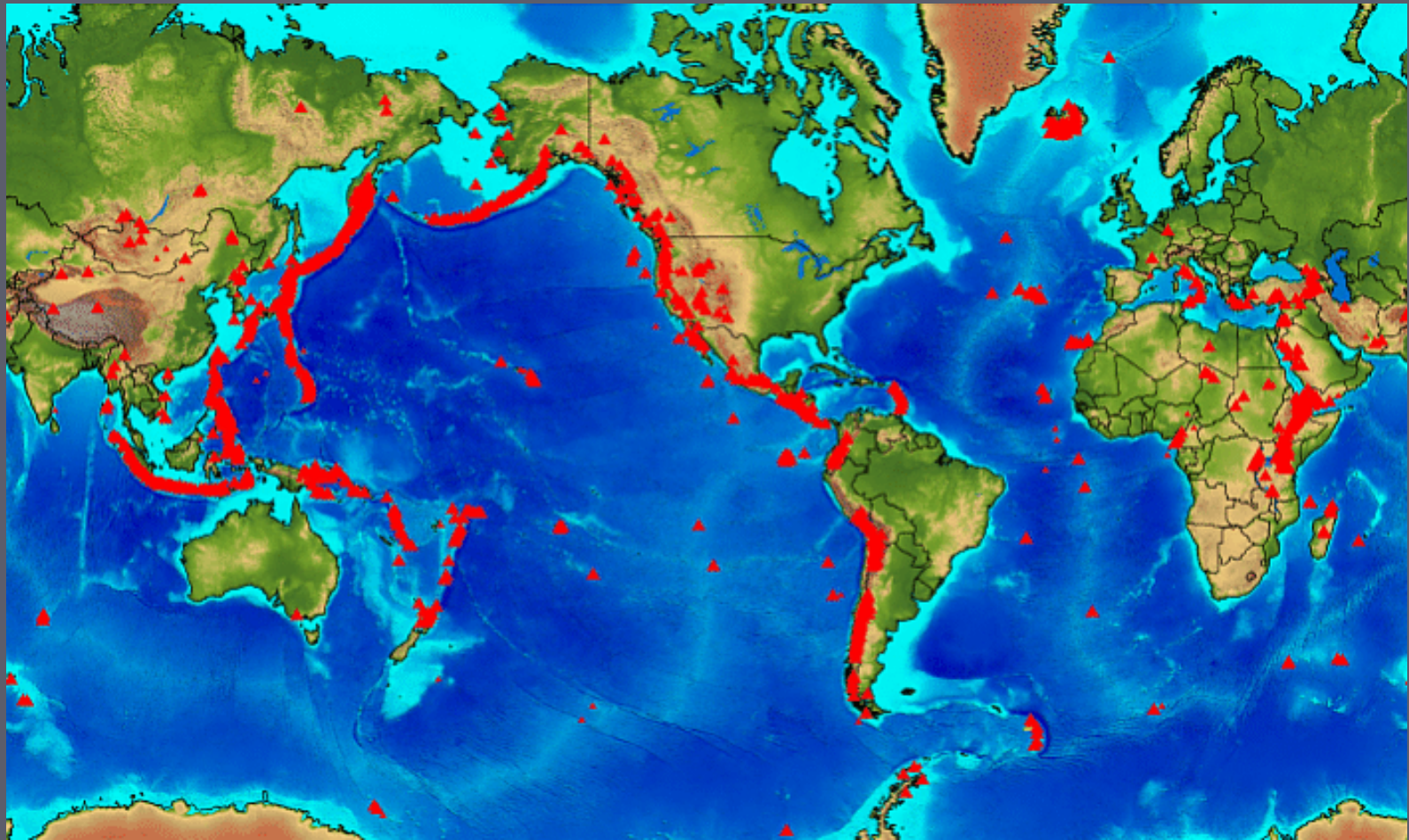
- Assisted Human Reproduction Act 2004
 - Regulates assisted reproduction and embryo research in public and private sectors
 - Bans IGM, reproductive *and* research cloning, creation of embryos for research, social sex selection, commercial surrogacy, sale of gametes and embryos
 - Allows research on embryos and embryonic stem cells
 - Strongly supported by women's health groups; opposed by anti-abortion groups.

Models of effective regulation: U.K.



- Human Fertilization and Embryology Authority (HFEA)
 - Regulates assisted reproduction and embryo research in public and private sectors
 - Members appointed; at least half neither doctors nor scientists involved in human embryo research or infertility treatment
 - Licenses and inspects researchers and commercial firms

Regulating Genetic Technology



Human Rights and Genetic Technology



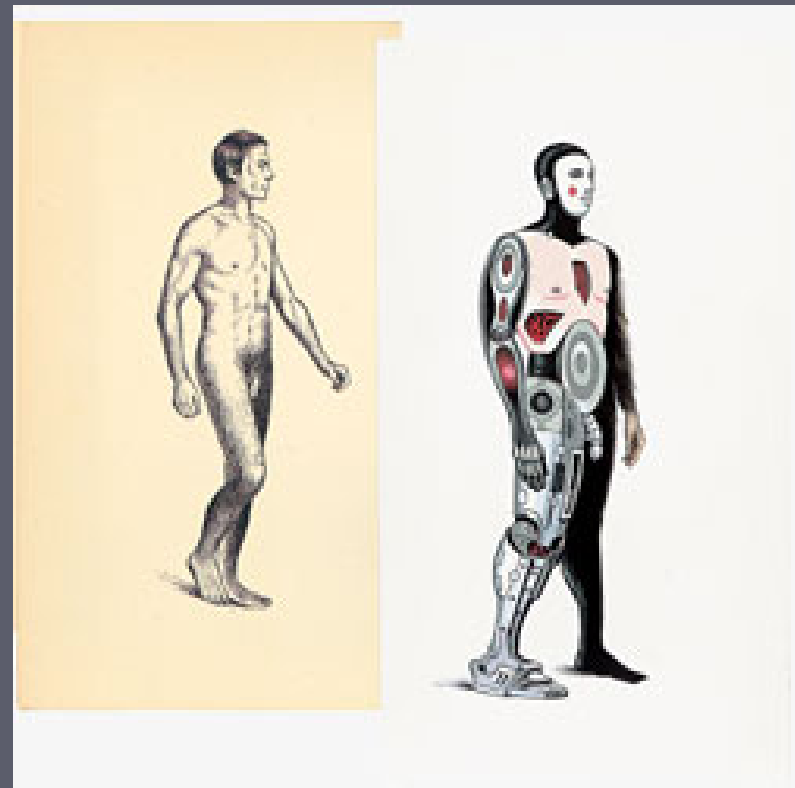
The Obstacles for ARTS and Human Rights



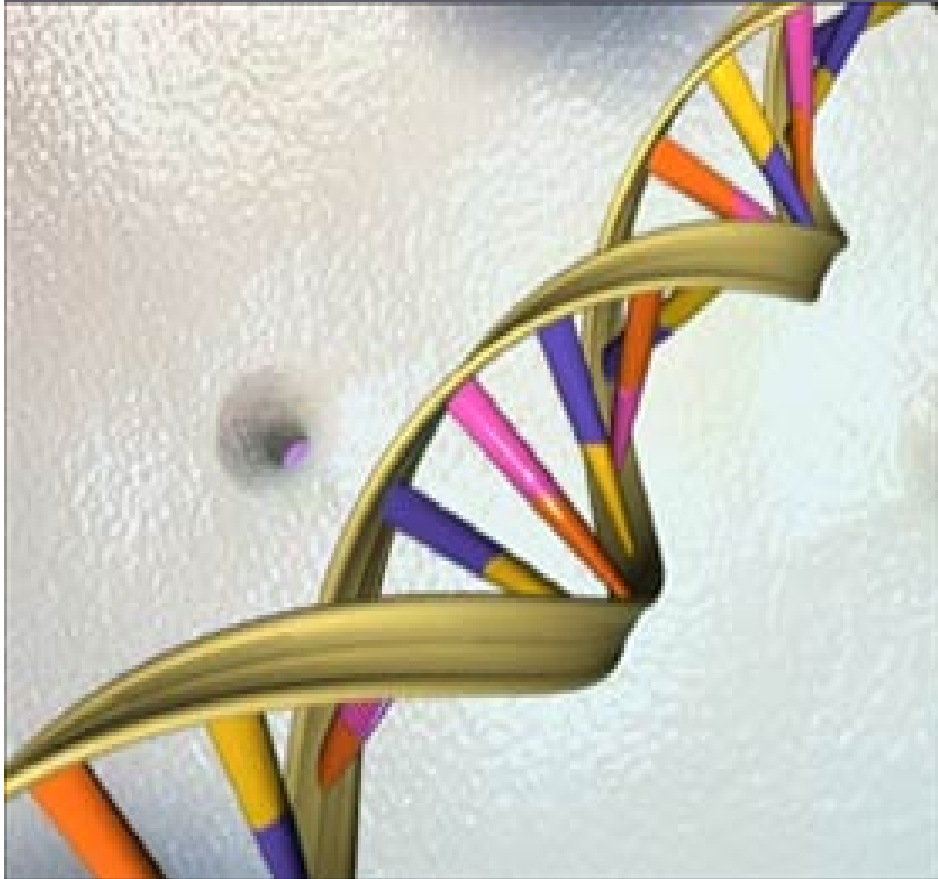
Human Rights Scenario We Need to Prevent



Transhumanism is an international movement supporting the use of new and genetic technologies to enhance human beings mentally, physically and eliminating suffering, disease aging and involuntary death



Human Rights Scenario We Need to Prevent

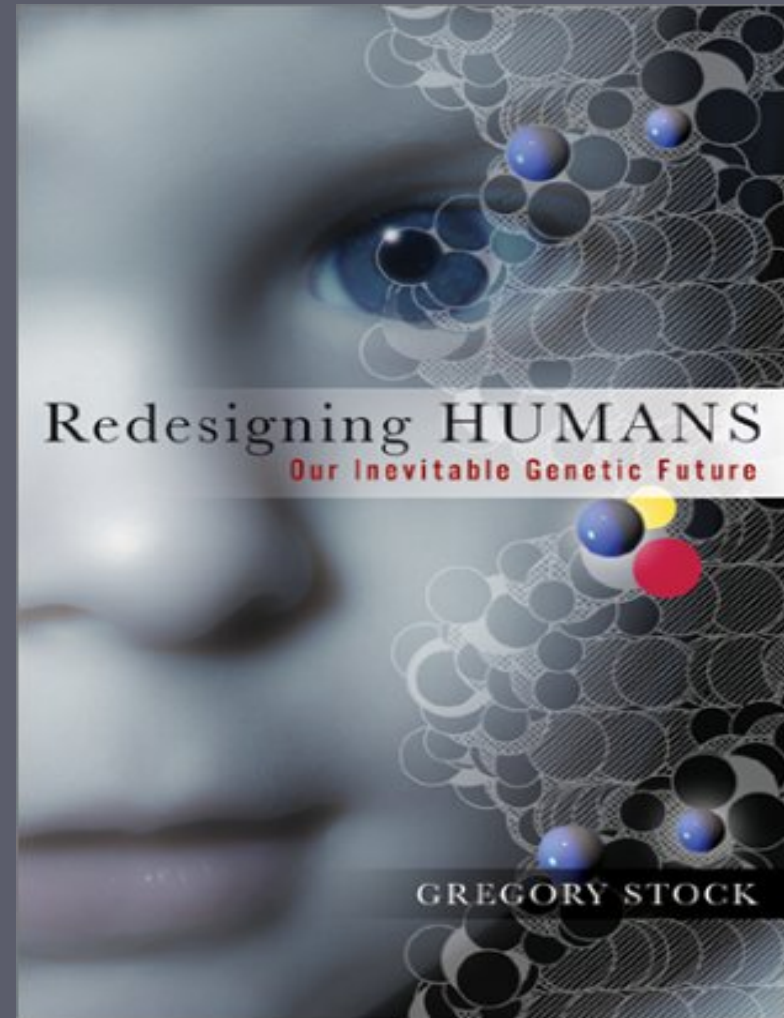


Gene Patents

Human Rights Scenario We Need to Prevent



We “will seize control of our own evolution.”
Parents will “want to give their child the latest gene cassettes and artificial chromosomes. It’s not so different from upgraded software; they’d want the new release.”



Current Human Rights and Genetic Technology Declarations



- Universal Declaration on Bioethics and Human Rights
- Universal Declaration on the Human Genome and Human Rights
- International Declaration on Human Genetic Data